

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20050197994".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 20:10
L2	25	(fujii near3 shigeru).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 20:11
L3	220	(hitoshi near3 watanabe).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 20:11
L4	220	(hitoshi near2 watanabe).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 20:11
S1	1	("20050119986").PN.	USPAT; USOCR; DERWENT	OR	OFF	2006/07/27 11:39

EAST Search History

S2	200	<p>(US-4449180-\$ or US-5262984-\$ or US-5486744-\$ or US-5423727-\$ or US-5761387-\$ or US-4866502-\$ or US-4987483-\$ or US-5560857-\$ or US-6310668-\$ or US-6351569-\$ or US-6373408-\$ or US-4564038-\$ or US-5214515-\$ or US-5339165-\$ or US-5446552-\$ or US-4854221-\$ or US-5210467-\$ or US-5219167-\$ or US-5309830-\$ or US-5629603-\$ or US-5754041-\$ or US-4269045-\$ or US-4272459-\$ or US-4278943-\$ or US-4292128-\$ or US-4299104-\$).did. or (US-4316440-\$ or US-4333620-\$ or US-4354738-\$ or US-4356694-\$ or US-4374346-\$ or US-4393958-\$ or US-4398140-\$ or US-4411236-\$ or US-4423389-\$ or US-4433428-\$ or US-4456939-\$ or US-4470109-\$ or US-4473767-\$ or US-4492202-\$ or US-4513716-\$ or US-4521735-\$ or US-4523234-\$ or US-4538145-\$ or US-4538923-\$ or US-4541072-\$ or US-4550281-\$ or US-4551644-\$ or US-4551031-\$ or US-4553530-\$ or US-4571207-\$ or US-4570874-\$ or US-4575323-\$).did. or (US-4576027-\$ or US-4576253-\$ or US-4593524-\$ or US-4594983-\$ or US-4594982-\$ or US-4603412-\$ or US-4610031-\$ or US-4610232-\$ or US-4618779-\$ or US-4759012-\$ or US-4792828-\$ or US-4796112-\$ or US-4801930-\$ or US-4807239-\$ or US-4815060-\$ or US-4816930-\$ or US-4820943-\$ or US-4825176-\$ or US-4832082-\$ or US-4833422-\$ or US-4840030-\$ or US-4843382-\$ or US-4845969-\$ or US-4865278-\$ or US-4868692-\$ or US-4873669-\$ or US-4879715-\$).did. or (US-4897839-\$ or US-4910468-\$ or US-4910756-\$ or US-4912680-\$ or US-4922527-\$ or US-4924192-\$ or US-4924724-\$ or US-4928021-\$ or US-4928198-\$ or US-4930915-\$ or US-4931251-\$ or US-4931672-\$ or US-4931999-\$ or US-4956812-\$ or US-4963862-\$ or US-4967133-\$ or US-4972221-\$ or US-4980745-\$ or US-4983905-\$ or US-4990346-\$ or US-4996406-\$ or US-5001334-\$ or US-5003533-\$ or US-5003951-\$ or US-5014542-\$ or US-5015846-\$ or US-5020126-\$).did. or (US-5180985-\$ or US-5182527-\$ or US-5182748-\$ or US-5184052-\$ or US-5184334-\$ or US-5184526-\$ or US-5192914-\$ or US-5199110-\$ or US-5203024-\$ or US-5210449-\$ or US-5210693-\$ or</p>	USPAT	OR	OFF	2006/08/03 16:07
8/21/2006 8:54:02 PM H:\10897978.wsp						Page 2

EAST Search History

S4	2	litvintseva.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 10:40
S5	3	(sergey near3 ulyanov).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 16:09
S6	3	(viktor near3 ulyanov).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 16:16
S7	34	(kazuki near3 takahashi).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 16:17
S8	1	"6578018".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 11:48
S9	2	("6578018").URPN.	USPAT	OR	OFF	2006/08/04 11:48
S10	3	("5819242" "5971579" "6317766").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:42
S11	6615	(sugeno or mamdani or tsukamoto)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:52

EAST Search History

S12	200	(US-4449180-\$ or US-5262984-\$ or US-5486744-\$ or US-5423727-\$ or US-5761387-\$ or US-4866502-\$ or US-4987483-\$ or US-5560857-\$ or US-6310668-\$ or US-6351569-\$ or US-6373408-\$ or US-4564038-\$ or US-5214515-\$ or US-5339165-\$ or US-5446552-\$ or US-4854221-\$ or US-5210467-\$ or US-5219167-\$ or US-5309830-\$ or US-5629603-\$ or US-5754041-\$ or US-4269045-\$ or US-4272459-\$ or US-4278943-\$ or US-4292128-\$ or US-4299104-\$).did. or (US-4316440-\$ or US-4333620-\$ or US-4354738-\$ or US-4356694-\$ or US-4374346-\$ or US-4393958-\$ or US-4398140-\$ or US-4411236-\$ or US-4423389-\$ or US-4433428-\$ or US-4456939-\$ or US-4470109-\$ or US-4473767-\$ or US-4492202-\$ or US-4513716-\$ or US-4521735-\$ or US-4523234-\$ or US-4538145-\$ or US-4538923-\$ or US-4541072-\$ or US-4550281-\$ or US-4551644-\$ or US-4551031-\$ or US-4553530-\$ or US-4571207-\$ or US-4570874-\$ or US-4575323-\$).did. or (US-4576027-\$ or US-4576253-\$ or US-4593524-\$ or US-4594983-\$ or US-4594982-\$ or US-4603412-\$ or US-4610031-\$ or US-4610232-\$ or US-4618779-\$ or US-4759012-\$ or US-4792828-\$ or US-4796112-\$ or US-4801930-\$ or US-4807239-\$ or US-4815060-\$ or US-4816930-\$ or US-4820943-\$ or US-4825176-\$ or US-4832082-\$ or US-4833422-\$ or US-4840030-\$ or US-4843382-\$ or US-4845969-\$ or US-4865278-\$ or US-4868692-\$ or US-4873669-\$ or US-4879715-\$).did. or (US-4897839-\$ or US-4910468-\$ or US-4910756-\$ or US-4912680-\$ or US-4922527-\$ or US-4924192-\$ or US-4924724-\$ or US-4928021-\$ or US-4928198-\$ or US-4930915-\$ or US-4931251-\$ or US-4931672-\$ or US-4931999-\$ or US-4956812-\$ or US-4963862-\$ or US-4967133-\$ or US-4972221-\$ or US-4980745-\$ or US-4983905-\$ or US-4990346-\$ or US-4996406-\$ or US-5001334-\$ or US-5003533-\$ or US-5003951-\$ or US-5014542-\$ or US-5015846-\$ or US-5020126-\$).did. or (US-5180985-\$ or US-5182527-\$ or US-5182748-\$ or US-5184052-\$ or US-5184334-\$ or US-5184526-\$ or US-5192914-\$ or US-5199110-\$ or US-5203024-\$ or US-5210449-\$ or US-5210693-\$ or	USPAT	OR	OFF	2006/08/04 14:43
8/21/2006 8:54:02 PM H:\10897978.wsp		US-5184526-\$ or US-5192914-\$ or US-5199110-\$ or US-5203024-\$ or US-5210449-\$ or US-5210693-\$ or				

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S13	0	S11 and S12	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:43
S14	164	706/59.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:46
S15	115	706/8.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:46
S16	310	706/50.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:46
S17	557	S14 or S15 or S16	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:47
S18	0	S17 and S12	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:47
S19	24	S17 and S11	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:47
S20	17	(sugeno and mamdani) or (sugeno and tsukamoto) or (mamdani and tsukamoto)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 16:06
S21	2	(sugeno and mamdani and tsukamoto)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:58
S22	32	(genetic adj2 algorithm) and (inference adj2 engine)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:06
S23	8	(genetic adj2 algorithm) and (inference adj2 engine) and (user adj2 input)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:12
S24	109	(fuzzy adj (inference adj engine))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:12
S25	7	(fuzzy adj (inference adj engine)) and (genetic adj algorithm)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:41
S26	5663	(user adj3 select) and (optimizer or optimizing or optimizes)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:43
S27	113	(user adj3 select) and (optimizer or optimizing or optimizes) and (genetic adj2 algorithm)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:55

EAST Search History

S28	100	(user adj3 select) and (optimizer or optimizing or optimizes) and (genetic adj algorithm)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:54
S29	86	(user adj3 select) and (optimizer or optimizing or optimizes) and (genetic adj2 algorithm) and (rule or rules)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:55
S30	1	"5740323".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 09:41
S31	2	(sergey near3 panfilov).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 10:26
S32	20	(creating or creates or create) adj3 (knowledge adj bases)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/09 15:35
S33	14	(creating or creates or create) adj3 (knowledge adj bases) and (rule or rules)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/09 15:35
S34	8	(creating or creates or create) adj3 (knowledge adj bases) and (rule or rules) and (maximizing or maximize or minimize or minimizing or optimizing or optimize or optimizes)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/09 15:38
S35	10	(selecting or selects or selected) adj2 (linguistic adj (variable or variables or parameters or parameter))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/09 15:41
S36	8	((selecting or selects or selected) adj2 (linguistic adj (variable or variables or parameters or parameter))) and (optimize or optimizing or optimal or optimized or minimize or minimizing or maximizing or maximizes or maximum)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/09 15:44
S37	6	(create or creates or creating) adj3 (teaching adj signal)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/09 15:46
S38	9	(optimize or optimizes or optimizing) adj2 (membership adj (function or functions))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 12:14
S39	4	((optimize or optimizes or optimizing) adj3 (membership adj (function or functions))) with (parameter or parameters or number or type or types)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 12:17
S40	13	((optimize or optimizes or optimizing) with (membership adj (function or functions))) with (parameter or parameters or number or type or types)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 12:17

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S42	10	sugeno with order	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 15:29
S43	0	(algorithim with depends) and (fuzzy or inference)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 15:30
S44	186	(algorithm with depends) and (fuzzy or inference)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 15:31
S45	19	(algorithm with depends) and ((fuzzy or inference) adj3 system)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 15:31
S46	8	(algorithm with depends) with (fuzzy or inference)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 15:32
S47	1	"20030078899".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:46
S48	1	"5740323".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:47
S49	1	"20020099673".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:48
S50	1	"6188988".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:48
S51	1	"5263123".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:49
S52	1	"20030208451"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:49
S53	7082	"706".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:50
S54	17286	(motorcycle or motorcycles)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:52
S55	14	S53 and S54	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:50
S56	597858	(passenger or passengers or rider or riders or driver or drivers)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:53

EAST Search History

S57	7427	S54 and S56	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:53
S58	8	S57 and S53	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 16:37
S59	4	S58 and cycle	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 17:08
S61	24	motorcycle and (genetic adj (algorithm or algorithms))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 17:08
S62	1	"6463371".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:14
S63	1	"6721718".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:14
S64	1	"6496761".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:14
S65	1	"6701263".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:15
S66	1	"6701236".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:15
S67	0	"2002/0016665".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:15
S68	1	"20020016665".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:15
S69	1	"20030093392".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:16
S70	1	"6829604".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:16
S71	1	"20040030420".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:17
S72	1	"20030078899".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:17

EAST Search History

S73	1	"20030172368".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:18
S74	1	"5740323".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:18
S75	1	"5349646".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:18
S76	1	"6711556".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:19
S77	1	"20020099673".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:19
S78	1	"6161061".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:19
S79	1	"6188988".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:20
S80	1	"6490237".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:20
S81	1	"5263123".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:20
S82	1	"20030208451".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:20
S83	25	(US-20030208451-\$ or US-20020016665-\$ or US-20030172368-\$ or US-20030078899-\$ or US-20030093392-\$ or US-20040030420-\$ or US-20020042783-\$ or US-20030110148-\$ or US-20020099673-\$ or US-20040024750-\$).did. or (US-5740323-\$ or US-6490237-\$ or US-6188988-\$ or US-6701236-\$ or US-6751599-\$ or US-5263123-\$ or US-6711556-\$ or US-5701400-\$ or US-5349646-\$ or US-6405122-\$ or US-6161061-\$ or US-6463371-\$ or US-6721718-\$ or US-6496761-\$ or US-6829604-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/08/21 10:21

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S84	25	(US-20030208451-\$ or US-20020016665-\$ or US-20030172368-\$ or US-20030078899-\$ or US-20030093392-\$ or US-20040030420-\$ or US-20020042783-\$ or US-20030110148-\$ or US-20020099673-\$ or US-20040024750-\$).did. or (US-5740323-\$ or US-6490237-\$ or US-6188988-\$ or US-6701236-\$ or US-6751599-\$ or US-5263123-\$ or US-6711556-\$ or US-5701400-\$ or US-5349646-\$ or US-6405122-\$ or US-6161061-\$ or US-6463371-\$ or US-6721718-\$ or US-6496761-\$ or US-6829604-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/08/21 11:34
S85	10	S84 and (fnn)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 11:34
S86	3	S84 and mamdani	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 16:19
S87	25	(US-20030208451-\$ or US-20020016665-\$ or US-20030172368-\$ or US-20030078899-\$ or US-20030093392-\$ or US-20040030420-\$ or US-20020042783-\$ or US-20030110148-\$ or US-20020099673-\$ or US-20040024750-\$).did. or (US-5740323-\$ or US-6490237-\$ or US-6188988-\$ or US-6701236-\$ or US-6751599-\$ or US-5263123-\$ or US-6711556-\$ or US-5701400-\$ or US-5349646-\$ or US-6405122-\$ or US-6161061-\$ or US-6463371-\$ or US-6721718-\$ or US-6496761-\$ or US-6829604-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/08/21 16:20
S88	3	S87 and rank	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 16:20
S89	3	S87 and (rank or ranking)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 16:51
S90	1236	linguistic and (control and controller)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 16:51

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S91	220	linguistic and (control and controller) and "706"/.clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 17:09
S92	15	linguistic and (control and controller) and "706"/.clas. and (rank or ranks or ranking)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 17:37
S93	85	fuzzy and (control and controller) and "706"/.clas. and (rank or ranks or ranking)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 17:38
S94	3	fuzzy and (control and controller) and "706"/.clas. and ((rank or ranks or ranking) adj (rule or rules))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 17:38

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- 1. **Comments, with reply, on 'Fractal character of DC trees in polymethylmethacrylate' by M. Fujii et al**
Srinivas, M.B.;
[Electrical Insulation, IEEE Transactions on \[see also Dielectrics and Electrical Insulation, IEEE Transactions on\]](#)
Volume 27, Issue 6, Dec. 1992 Page(s):1222 - 1223
Digital Object Identifier 10.1109/14.204876
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- 2. **Second order sensitivity analysis for a class of shape optimization problems-towards a CAD system**
Fujii, N.;
[Industrial Electronics, Control and Instrumentation, 1994. IECON '94., 20th International Conference on](#)
Volume 2, 5-9 Sept. 1994 Page(s):1176 - 1178 vol.2
Digital Object Identifier 10.1109/IECON.1994.397958
[AbstractPlus](#) | Full Text: [PDF\(228 KB\)](#) [IEEE CNF](#)
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- 3. **Solution of pattern matching inspection problem for grainy metal layers**
Sakurai, K.; Onoyama, A.; Fujii, T.; Yamanishi, K.; Fujii, S.; Morita, H.;
[Semiconductor Manufacturing, IEEE Transactions on](#)
Volume 15, Issue 1, Feb. 2002 Page(s):118 - 126
Digital Object Identifier 10.1109/66.983451
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(197 KB\)](#) [IEEE JNL](#)
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- 4. **Method for Evaluating the Force Controllability of Human Finger**
Fujii, Y.; Yamaguchi, T.;
[Instrumentation and Measurement Technology Conference, 2005. IMTC 2005. Proceedings of the IEEE](#)
Volume 2, 16-19 May 2005 Page(s):1519 - 1523
[AbstractPlus](#) | Full Text: [PDF\(240 KB\)](#) [IEEE CNF](#)
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- 5. **Development of Superconducting Combined Function Magnets for the Proton Transport Line for the J-PARC Neutrino Experiment**
Nakamoto, T.; Ajima, Y.; Fujii, Y.; Higashi, N.; Ichikawa, A.; Kimura, N.; Kobayashi, T.; Makida, Y.; Ogitsu, T.; Ohhata, H.; Okamura, T.; Sasaki, K.; Takasaki, M.; Tanaka, K.; Terashima, A.; Tomaru, T.; Yamamoto, A.; Anerella, M.; Ganetis, G.; Gupta, R.; Harrison, M.; Jain, A.; Muratore, J.; Parker, B.; Wanderer, P.; Obana, T.; Fujii, T.; Hashiguchi, E.; Kanahara, T.;


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6. **The semi-collinear interaction between optical waveguide modes and backward volume magnetostatic waves**
 Anshakov, A.V.; Matyushev, V.V.; Stashkevich, A.A.;

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Relevance scale **1 Capability of current supercomputers for the computational fluid dynamics** K. Fujii, Y. TamuraAugust 1989 **Proceedings of the 1989 ACM/IEEE conference on Supercomputing****Publisher:** ACM PressFull text available:  [pdf\(1.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The computer code named LANS3D, one of the representative Navier-Stokes codes in Japan, is taken as a example and the capability of the current CFD technology is discussed. This code was developed for the numerical simulation of high-Reynolds number compressible flows. The algorithm used in this code and how it has been improved so far explain two important aspects of the computational fluid dynamics (CFD) codes: efficiency and accuracy. Some of the application examples show the cap ...

2 Selective sampling for example-based word sense disambiguation

Atsushi Fujii, Takenobu Tokunaga, Kentaro Inui, Hozumi Tanaka

December 1998 **Computational Linguistics**, Volume 24 Issue 4**Publisher:** MIT PressFull text available:   [pdf\(1.74 MB\)](#) [Page](#) Additional Information: [full citation](#), [abstract](#), [references](#)
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This paper proposes an efficient example sampling method for example-based word sense disambiguation systems. To construct a database of practical size, a considerable overhead for manual sense disambiguation (overhead for supervision) is required. In addition, the time complexity of searching a large-sized database poses a considerable problem (overhead for search). To counter these problems, our method selectively samples a smaller-sized effective subset from a given example set for use in wor ...

3 Manufacturing applications: A basic study on autonomous characterization of square array machining cells for agile manufacturing

Susumu Fujii, Hiroshi Morita, Takeshi Tanaka

December 2000 **Proceedings of the 32nd conference on Winter simulation****Publisher:** Society for Computer Simulation InternationalFull text available:  [pdf\(313.91 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

In this study, a manufacturing system locating machining cells in a square array is considered as an agile manufacturing system that can manufacture a variety of kinds of products with varying volumes. Each cell can process any work whose machining operations for each work are divided into some operation groups common to all works. An auction-based algorithm is proposed to select a cell to process a work after its processing of one operation group. Five types of bid are considered and their effe ...

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Relevance scale **1 P2PIM workshop: Improved tracing algorithm for random-error-resilient collusion-****secure fingerprinting codes in P2P information systems**

Ching-Nung Yang, Bing-Ling Lu

May 2006 **Proceedings of the 1st international conference on Scalable information systems InfoScale '06****Publisher:** ACM PressFull text available:  [pdf\(173.41 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

A randomized c-secure CRT (Chinese Remainder Theorem) fingerprinting code was proposed to avoid the illegal copying of digital content. The tracing algorithm can detect a collusive member from the fingerprinting code generated by a coalition of at most c malicious users. However, the collusion attack and random errors increase the tracing error rate. In this paper, we improve the algorithm to achieve a more reliable tracing.

2 Games and user interface: The soul of ActiveCube: implementing a flexible,**multimodal, three-dimensional spatial tangible interface**

Ryoichi Watanabe, Yuichi Itoh, Masatsugu Asai, Yoshifumi Kitamura, Fumio Kishino, Hideo Kikuchi

October 2004 **Computers in Entertainment (CIE)**, Volume 2 Issue 4**Publisher:** ACM PressFull text available:  [pdf\(581.48 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

ActiveCube is a novel user interface that allows intuitive interaction with computers. ActiveCube allows users to construct and interact with three-dimensional (3D) environments using physical cubes equipped with input/output devices. Spatial, temporal, and functional consistency is always maintained between the physical object and its corresponding representation in the computer. In this article we detail the design and implementation of our system. We describe the method we used to realize ...

Keywords: 3D modeling, actuator, bi-directional interface, display, input, output, real-time interaction, sensor

3 Technical columns: SIGACT news complexity theory column 40**Lane A. Hemaspaandra**
June 2003 **ACM SIGACT News**, Volume 34 Issue 2**Publisher:** ACM PressFull text available:  [pdf\(1.06 MB\)](#) Additional Information: [full citation](#), [references](#)

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Relevance scale **1 A Framework for Three-Dimensional Simulation of Morphogenesis**

Trevor M. Cickovski, Chengbang Huang, Rajiv Chaturvedi, Tilmann Glimm, H. George E. Hentschel, Mark S. Alber, James A. Glazier, Stuart A. Newman, Jesus A. Izaguirre
 October 2005 **IEEE/ACM Transactions on Computational Biology and Bioinformatics (TCBB)**, Volume 2 Issue 4

Publisher: IEEE Computer Society PressFull text available:  [pdf\(1.62 MB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

We present CompuCell3D, a software framework for three-dimensional simulation of morphogenesis in different organisms. CompuCell3D employs biologically relevant models for cell clustering, growth, and interaction with chemical fields. CompuCell3D uses design patterns for speed, efficient memory management, extensibility, and flexibility to allow an almost unlimited variety of simulations. We have verified CompuCell3D by building a model of growth and skeletal pattern formation in the avian (chick ...)

Keywords: Cellular Potts Model (CPM), biological development, reaction-diffusion, cellular automata, morphogenesis, Extensible Markup Language (XML).

**2 ACM Multimedia '94 conference workshop on multimedia database management systems**

Bruce Berra, Kingsley Nwosu, Bhavani Thuraisingham
 March 1995 **ACM SIGMOD Record**, Volume 24 Issue 1

Publisher: ACM PressFull text available:  [pdf\(257.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper describes the *ACM Multimedia '94 Conference Workshop on Multimedia Database Management Systems* held on 21 October 1994 in San Francisco, California. The workshop consisted of four sessions: designing multimedia database management systems, video and continuous media service, multimedia storage and retrieval management, and miscellaneous topics in multimedia data management. The workshop concluded with a discussion session on directions for multimedia database management. Twenty ...

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Relevance scale **1 Iterative aggregation/disaggregation techniques for nearly uncoupled markov chains** Wei-Lu Cao, William J. StewartJuly 1985 **Journal of the ACM (JACM)**, Volume 32 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(1.04 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Iterative aggregation/disaggregation methods provide an efficient approach for computing the stationary probability vector of nearly uncoupled (also known as nearly completely decomposable) Markov chains. Three such methods that have appeared in the literature recently are considered and their similarities and differences are outlined. Specifically, it is shown that the method of Takahashi corresponds to a modified block Gauss-Seidel step and aggregation, whereas that of Vantilborgh corresp ...

2 Queuing analysis of polling models Hideaki TakagiMarch 1988 **ACM Computing Surveys (CSUR)**, Volume 20 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(2.21 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A polling model is a system of multiple queues accessed by a single server in cyclic order. Polling models provide performance evaluation criteria for a variety of demand-based, multiple-access schemes in computer and communication systems. This paper presents an overview of the state of the art of polling model analysis, as well as an extensive list of references. In particular, single-buffer systems and infinite-buffer systems with exhaustive, gated, and limited service disciplines are tr ...

3 Blink response, visual attention, and the www: The act of task difficulty and eye- movement frequency for the 'Oculo-motor indices'

Minoru Nakayama, Koji Takahashi, Yasutaka Shimizu

March 2002 **Proceedings of the 2002 symposium on Eye tracking research & applications ETRA '02**

Publisher: ACM Press

Full text available:  [pdf\(523.34 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The oculo-motor re ects the viewer s ability to process visual information. This paper examines whether the oculo-motor was affected by two factors: rstly task dif culty and secondly eye-movement frequency. In this paper, oculo-motor indices were de ned as measurements of pupil size, blink and eye-movement. For the purpose of this study, two experiments were designed based on previous subsequent ocular tasks were subjects

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3 Blink response, visual attention, and the www: The act of task difficulty and eye-movement frequency for the 'Oculo-motor indices' Minoru Nakayama, Koji Takahashi, Yasutaka ShimizuMarch 2002 **Proceedings of the 2002 symposium on Eye tracking research & applications ETRA '02**

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